

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
<b><u>BILL NO. 8</u></b>  <b><u>EXTERNAL WORKS</u></b> <b><u>AND DRAINAGE</u></b>  <b><u>8.1 - HARD LANDSCAPING WORKS -</u></b> <b><u>BUILDER'S WORKS</u></b>					
<u>EXTERNAL FINISHES</u>					
<u>External floor finishes</u>					
<u>Cement and sand (1:3) screeds</u>					
A	20 mm (Minimum) Screed on slab to falls and/or crossfalls to receive artificial granite tiling.	2609	Sup.		
B	<u>Extra for</u> laying screed including wire mesh in 675 x 675 mm recessed manhole cover.	32	No.		
C	<u>Extra for</u> laying screed including wire mesh in 300 mm wide recessed channel cover.	4	Run		
D	20 mm (Minimum) Screed on slab to falls and/or crossfalls receive natural granite.	253	Sup.		
E	<u>Extra for</u> laying screed including wire mesh in 500 mm wide recessed channel cover.	56	Run		
F	Ditto; circular on plan.	1	Run		
G	<u>Extra for</u> laying screed including wire mesh in 675 x 675 mm recessed manhole cover.	7	No.		
H	20 mm (Minimum) Screed on slab to receive homogenous tactile.	82	Sup.		
J	<u>Extra for</u> laying screed including wire mesh in 320 mm wide recessed channel cover.	3	Run		
K	20 mm (Minimum) Screed on slab to receive natural granite.	63	Run		
L	20 mm (Minimum) Screed on slab to receive homogenous tiling.	486	Sup.		
Carried to Collection					

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Item	Description	Quantity	Unit	Rate	HK \$
	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External floor finishes</u> (Cont'd)				
	<u>Cement and sand (1:3) screeds</u> (Cont'd)				
A	20 mm (Minimum) Screed on slab to falls and/or crossfalls to receive wash granolithic.	95	Sup.		
B	<u>Extra for</u> laying screed including wire mesh in 675 x 675 mm recessed manhole cover.	2	No.		
C	<u>Extra for</u> laying screed including wire mesh in 320 mm wide recessed channel cover.	8	Run		
D	Ditto; circular on plan.	3	Run		
E	<u>Extra for</u> laying screed including wire mesh in 150 mm wide recessed channel cover.	8	Run		
F	20 mm (Minimum) Screed on treads and riser to receive natural granite.	56	Sup.		
G	20 mm (Minimum) Screed on stone sitting to receive natural granite.	14	Sup.		
H	25 mm (Minimum) Screed on slab laid to falls and/or crossfalls to receive waterproofing system.	1073	Sup.		
J	25 mm (Minimum) Screed on slab to receive waterproofing system.	12	Sup.		
K	40 x 40 mm Triangular fillet against upstand.	420	Run		
	<u>Soil layer</u>				
L	60 mm Thick soil layer in the mix of 25% 10 to 30 mm diameter broken stone, 15% medium coarse sand and 60% soil laid on sand.	233	Sup.		
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Item	Description	Quantity	Unit	Rate	HK \$
	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External floor finishes</u> (Cont'd)				
	<u>Sand layer</u>				
A	150 mm Thick sand layer in the mix of 10% medium coarse, 60% 20 to 40 mm diameter broken stone and 30% soil laid on granular base.	233	Sup		
	<u>Sand bedding as Drawing No. 716-D21-002</u>				
B	50 mm (Minimum) thick sand bedding on treads and risers.	14	Sup		
	<u>300 x 300 x (11+5) mm Non-slip homogenous tactile with raised dots fixed with adhesive on screed and grouted with approved colour grout</u>				
C	Hazard warning tactile.	35	Sup		
	<u>300 x 300 x (11+5) mm Non-slip homogenous with raised dots fixed with adhesive on screed and grouted with approved colour grout</u>				
D	Positional tactile.	18	Sup		
	<u>300 x 300 x (11+5) mm Non-slip homogenous with raised strips fixed with adhesive on screed and grouted with approved colour grout</u>				
E	Directional tactile.	29	Sup		
	<u>355 x 355 x 70 mm Grass paver complete with exterior tongue, groove latching system and U.V. inhibitors as described</u>				
F	Grass paver on soil layer. (Type GP1)	233	Sup.		
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Item	Description	Quantity	Unit	Rate	HK \$
	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External floor finishes</u> (Cont'd)				
	<u>Homogenous tiling in the mix of 600 x 600 x 10 mm thick tile, 600 x 300 x 10 mm thick tile and 200 x 200 x 10 mm thick bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
A	Floor. (Type HT01,02 & 03)	486	Sup.		
B	<u>Extra for laying on 300 mm wide channel cover.</u> (Type HT01, 02 & 03)	3	Run		
	<u>100 x 100 x 18 mm Artificial granite tiling bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
C	Floor. (Type AGT01)	2223	Sup.		
D	<u>Extra for laying on 675 x 675 mm manhole cover.</u> (Type AGT01)	32	No.		
E	<u>Extra for laying on 300 mm wide channel cover.</u> (Type AGT01)	4	Run		
F	Floor. (Type AGT08)	386	Sup.		
	<u>25 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
G	Treads and risers. (Type SG1A)	13	Sup.		
H	<u>Extra over for forming light trough.</u> (Type SG1A)	13	Run		
	<u>30 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
J	Treads and risers. (Type SG1A)	2	Sup.		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External floor finishes</u> (Cont'd)				
	<u>50 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
A	Treads and risers. (Type SG1A)	1	Sup.		
	<u>30 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
B	Floor. (Type SG3A)	75	Sup.		
	<u>20 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
C	Treads and risers. (Type SG4C)	14	Sup.		
D	<u>Extra over</u> for forming light trough. (Type SG4C)	24	Run		
	<u>50 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
E	Floor. (Type SG4C)	3	Sup.		
F	Treads and risers. (Type SG4C)	22	Sup.		
	<u>30 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
G	Floor. (Type SG4F)	37	Sup.		
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	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External floor finishes</u> (Cont'd)				
	<u>30 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
A	Floor. (Type SG5E)	63	Run		
	<u>50 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
B	Treads and riser. (Type SG5E)	4	Sup.		
	<u>Approved 30 mm thick natural granite in crazy cut pattern bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
C	Floor. (Type SG7A)	37	Sup.		
	<u>30 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
D	Floor. (Type SG8A)	101	Sup.		
E	<u>Extra for laying on 675 x 675 mm manhole cover.</u> (Type SG3A, 4F & 8A)	7	No.		
F	<u>Extra for laying on 500 mm wide channel cover.</u> (Type SG3A, 4F & 8A)	56	Run		
G	Ditto; circular on plan.	1	Run		
	<u>Approved natural boulder feature</u>				
H	1 m x 1.2 m x 1 m High overall (approximate) natural boulder feature on floor. (Type NB01)	1	No.		
J	1.3 m x 1.6 m x 1 m High overall (approximate) natural boulder feature on floor. (Type NB01)	1	No.		
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Item	Description	Quantity	Unit	Rate	HK \$
	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External floor finishes</u> (Cont'd)				
	<u>Stamp in pebble pattern bedded on adhesive</u>				
A	Floor. (Type STC1)	40	Sup.		
	<u>30 mm Thick stamp in crazy cut pattern bedded on adhesive</u>				
B	Floor. (Type STC2)	25	Sup.		
	<u>10 to 12 mm Diameter loosely laid pea gravel</u>				
C	Floor. (Type PG01)	25	Sup.		
	<u>300 x 300 x (20+5) mm Stainless steel hazard warning tactile with raised dots fixed with adhesive</u>				
D	Hazard warning tactile.	3	Sup.		
	<u>3 to 5 mm Diameter wash granolithic complete with primer, bonding coat, silicate sand, repair permeddle body coat, quartz, filler coat, multi-coloured texture coat and top as described</u>				
E	Floor. (Type WG01)	95	Sup.		
F	Stone sitting. (Type WG01)	14	Sup.		
G	<u>Extra for laying on 675 x 675 mm manhole cover. (Type WG01)</u>	2	No.		
H	<u>Extra for laying on 150 mm wide channel cover. (Type WG01)</u>	8	Run		
J	<u>Extra for laying on 320 mm wide channel cover. (Type WG01)</u>	8	Run		
K	Ditto; circular on plan. (Type WG01)	3	Run		
	<u>Approved non-woven, thermally bonded geotextile filter layer as described</u>				
L	Geotextile filter fabric layer.	3	Sup.		
M	Vertical lining on wall surface.	4	Sup.		
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Item	Description	Quantity	Unit	Rate	HK \$
	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External floor finishes</u> (Cont'd)				
	<u>Separation sheet</u>				
A	0.5 mm Polyester fabric separation sheet laid on waterproofing system.	1073	Sup.		
	<u>Protection board</u>				
B	3 mm Plywood protection board laid on separation sheet.	1085	Sup.		
	<u>Insulation</u>				
C	50 mm Self-extinguishing extruded type Polystyrene roof insulation on block form with density of 32 kg/m3 and compressive strength of 3.5 kg/m2 laid on protection board as described.	1073	Sup.		
	<u>Rubberised asphalt membrane</u>				
D	Rubberised asphalt membrane on slab as described.	12	Sup.		
E	Vertical lining not exceeding 300 mm high.	17	Run		
	<u>Proprietary polyurethane roof waterproofing system with minimum total thickness of 3 mm applied in accordance with manufacturer's recommendations by an approved specialist at the Contractor's expense, including preparing and priming the substrate and all necessary accessories, as described</u>				
F	Waterproofing layer.	1085	Sup.		
	<u>Line marking</u>				
	<u>Two coats of a cold applied linemarker compatible with deck coating on wash granolithic surfaces as follows</u>	3	Sup.		
G	Line 50 mm wide.	93	Run		
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Item	Description	Quantity	Unit	Rate	HK \$
	<u>EXTERNAL FINISHES</u> (Cont'd)				
	<u>External wall finishes</u>				
	<u>Cement and sand (1:3) screeds</u>				
A	20 mm (Minimum) Rendering on walls to receive wash granolithic.	42	Sup.		
B	20 mm (Minimum) Rendering on planter walls to receive wash granolithic.	107	Sup.		
C	Ditto; but circular on plan.	330	Sup.		
D	20 mm (Minimum) Rendering on planter walls to receive natural granite.	21	Sup.		
	<u>3 to 5 mm Diameter wash granolithic complete with primer, bonding coat, silicate sand, repair permeddle body coat, quartz, filler coat, multi-coloured texture coat and top as described</u>				
E	Planter wall. (Type WG01)	107	Sup.		
F	Ditto; but circular on plan. (Type WG01)	330	Sup.		
G	<u>Extra over</u> for forming light trough. (Type WG01)	177	Run		
H	Wall. (Type WG-01)	42	Sup.		
	<u>50 mm Thick natural granite cut to size and bedded in cement mortar adhesive on screed and grouted with approved colour grout</u>				
J	Planter wall. (Type SG4C)	21	Sup.		
	<u>DESKING WITH ENGRAVED CHESSBOARD AS DRAWING NO. LD_3005.1</u>				
	<u>1750 x 750 mm High (approximate) desking in irregular profile on plan complete with natural granite finishes bedded on adhesive, concrete works and including all necessary finishes, fixings and accessories</u>				
K	Desking.	2	No.		
L	<u>Extra over</u> for 600 x 600 mm Engraved chessboard laid on screed.	2	No.		
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Item	Description	Quantity	Unit	Rate	HK \$
A	<u>SITTINGS TO BAMBOO GARDEN AS DRAWING NO. LD 3005.1</u>  <u>500 mm x 450 mm High (approximate) sittings in irregular profile on plan complete with natural granite finishes bedded on adhesive, concrete works and including all necessary finishes, fixings and accessories</u>	6	No.		
	Sitting.				
B	<u>TIMBER DECKING AS DRAWING NO. LD2000.6, 3001.3, 3006, 3010.2, 3012, 3001.2, 3003.2 AND J2962-GN201, TR101 and TR102</u>  <u>Artificial pure plastic timber decking complete with adjustable pedestals in 150 mm high fixed on floor and including all necessary fixings and accessories as described</u>	274	Sup.		
	145 x 25 mm Thick timber decking on concrete floor. (Type TP01)				
C	<u>Extra for 300 mm width surface channel. (Type TP01)</u>	42	Run		
D	145 x 25 mm Thick timber decking on supporting frame. (Type TP01)	184	Sup.		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
A	<u>SUPPORTING FRAME TO TIMBER DECKING AT 5/F AS DRAWING NO.ID_3001.2,3003.1,3008.1,3010.2 AND J2962-GN201, TR101 TO 102</u>  <u>Design, supply and installation of supporting frame to timber decking complete with 6mm thick suspended metal decking, metal wire mesh, 50 x 50 x 5 mm thick galvanized mild steel rectangular hollow section and including all necessary painting, fixing and accessories</u>	1	Item		
	Supporting frame to timber decking. (Approximately 184 m2 on plan)  (The Tenderer shall provide the cost breakdown of this item allowed as follow :) <div>\$</div> <div>1. 50 x 50 x 5 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div> <div>2. 6 mm thick suspended metal decking (___ m2 x \$___/m2)</div> <div>3. Metal wire mesh. (___ m2 x \$___/m2)</div> <div>4. Concrete for strip. (___ m3 x \$___/m3)</div> <div>5. Formwork for strip. (___ m2 x \$___/m2)</div> <div>6. Reinforcement for strip. (___ kg x \$___/kg)</div> <div>7. Steelwork in loose and attached connection.  (\$_____)</div> <div>8. Others (please specify): <div>_____</div><div>Total carried to page 8.1/11/A _____</div></div>				
Carried to Collection					

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Item	Description	Quantity	Unit	Rate	HK \$
A	<u>ARTIFICIAL TIMBER WALL FINS AS DRAWING NO. LD2000.2</u>  <u>100 x 50 mm Thick artificial timber wall fins complete with metal supporting frame and bracket connected with screw and bolt fixed to wall including all necessary fixings and accessories as described.</u>	35	Sup.		
	Artificial timber wall fins. (Type TP02)				
B	<u>WHEEL GUARD TO CARPARKING SPACE AS DRAWING NO. LD 1000.2</u>  <u>Wheel guard comprising natural granite wheel guard, metal dowel, reinforced concrete curb including all necessary formwork, reinforcement and other accessories</u>	40	Run		
	400 x 200 x 200 mm Thick wheel guard.				
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
A	<p><u>SUPPORTING FRAME TO METAL FLOOR DECKING AT 5/F AS DRAWING NO.ID_ 3001.1,3002.1,3004.1,3005.1, 3007, 3008.1,3009.1,3010.1,3011.4 AND J2962-GN201, TR101 TO 102</u></p> <p><u>Design, supply and installation of supporting frame to metal floor decking at 5/F complete with 6mm thick suspended metal decking, metal wire mesh, 50 x 50 x 5 mm thick galvanized mild steel rectangular hollow section and including all necessary painting, fixing and accessories</u></p> <p>Supporting frame to metal floor decking at 5/F. (Approximately 458 m2 on plan)</p> <p>(The Tenderer shall provide the cost breakdown of this item allowed as follow :)</p> <p style="text-align: right;">\$</p> <ol style="list-style-type: none"> <li>50 x 50 x 5 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</li> <li>6 mm thick suspended metal decking (___ m2 x \$___/m2)</li> <li>Metal wire mesh. (___ m2 x \$___/m2)</li> <li>Concrete for strip. (___ m3 x \$___/m3)</li> <li>Formwork for strip. (___ m2 x \$___/m2)</li> <li>Reinforcement for strip. (___ kg x \$___/kg)</li> <li>Steelwork in loose and attached connection. (\$_____)</li> <li>Others (please specify): _____</li> </ol> <p>Total carried to page 8.1/13/A _____</p>	1	Item		
Carried to Collection					

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Item	Description	Quantity	Unit	Rate	HK \$
	<u>VERTICAL GREEN WALL AS DRAWING NO. LD 1000.4 TO 1000.6 AND LD 3011.5</u>  <u>Proprietary vertical green wall comprising green wall panel, gutter, planting, supporting frame, automatic irrigation system, wireless monitoring and alarm system, 50 x 50 x 5 mm thick galvanized mild steel rectangular hollow section supporting frame, access panel, 38 x 38 x 4 mm thick galvanized mild steel angle, 50 x 50 x 4 mm thick galvanized mild steel bracket, 19.5 mm diameter water distribution pipe with sprinkler head, 50 mm diameter drain pipe, capping fixed with HILTI M8 anchor bolt and M6 galvanized mild steel bolt and including all necessary painting, fixing and accessories as described</u>				
A	Vertical green wall as Drawing No. LD_1000.4.	9	Sup.		
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Item	Description	Quantity	Unit	Rate	HK \$
	<u>VERTICAL GREEN WALL AS DRAWING NO. LD 1000.4 TO 1000.6 AND LD 3011.5 (Cont'd)</u>  <u>Proprietary vertical green wall comprising supporting frame, 50 x 50 x 5 mm thick galvanized mild steel rectangular hollow section, 100 x 100 x 6 mm thick base plate, expansion bolt and including all necessary painting, fixing and accessories as described</u>				
A	Vertical green wall as Drawing No. LD_1000.5 and 1000.6.  <u>Proprietary wire green wall system complete with grade 316 stainless steel corner and end connector, cross clamp connector, 3 mm diameter cable with swage on fittings and including all necessary support, fixing and accessories as described</u>	256	Sup.		
B	Wire green wall as Drawing No. LD_3011.5.	261	Sup.		
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Item	Description	Quantity	Unit	Rate	HK \$
	<u>HANDRAIL AS DRAWING NO. LD 2000.3, 2000.5, 3000.3, 3006.1, 3008.1 AND 3009.1</u>				
	<u>Galvanized mild steel framed and welded</u>				
A	Floor mounted handrail 900 mm high above finished floor level comprising 1 layer of 45 mm diameter plastic timber tubular handrail, 2 layers of 30 x 10 mm thick G.M.S. with PVF2 powered coated handrail, 70 x 30 mm thick GMS/RHS with powdered coated colour grey, fixing screw and vertical support fixed to base plate, braille sign, including all necessary fixings and accessories.	52	Run		
B	Floor mounted handrail 450 mm high above finished floor level comprising 1 layer of 45 mm diameter plastic timber tubular handrail, 30 x 10 mm thick G.M.S. with PVF2 powdered coated handrail, 6 mm thick G.M.S. flat bar, fixing screw and vertical support fixed to base plate, braille sign, including all necessary fixings and accessories.	2	Run		
C	Ditto, but 550 mm high.	46	Run		
D	Ditto, but 600 mm high.	71	Run		
E	Ditto, but 750 mm high.	20	Run		
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	<u>HANDRAIL AS DRAWING NO. LD 2000.3, 2000.5, 3000.3, 3006.1, 3008.1 AND 3009.1 (Cont'd)</u>				
	<u>Stainless steel framed and welded</u>				
A	Floor mounted handrail 300 x 200 mm high above finished floor level comprising 50 x 40 mm thick TPE base pure plastic timber handrail, 40 x 5 mm thick stainless steel flat bar frame with fixing screw and vertical support including all necessary fixings and accessories.	11	No.		
B	Ditto; but 500 mm wide.	11	No.		
	<u>Design, supply and install glass balustrade as Drawing No. LD-2000.2</u>				
C	Glass balustrade comprising 20 mm thick (minimum) clear laminated glass with fritted pattern, 50 mm diameter tubular handrail in grade 316 stainless steel in satin finish with gasket and stainless steel braille sign, 15 mm diameter stainless steel bracket, galvanised mild steel bracket bolt fixed to floor including all necessary fixings and accessories.	13	Sup.		
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Item	Description	Quantity	Unit	Rate	HK \$
A	<u>GLASS PARTITION</u>				
	<u>Design, supply and install glass partition as Drawing No. LD 2000.3</u>				
	20 mm Thick clear laminated glass with fritted pattern complete with silicon sealant, galvanised mild steel bracket, expanded metal lath, rubber gasket and including all necessary fixing and accessories as described.	16	Sup.		
	<u>REMOVABLE TRAY AS DRAWING NO. LD 3004.2</u>				
	<u>Design, supply and install removable tray curved on plan including all necessary fixings and accessories</u>				
B	300 mm High removable tray.	14	Sup.		
C	Ditto; but 600 mm high.	8	Sup.		
D	Ditto; but 900 mm high.	6	Sup.		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
A	<u>SHELTER AT 5/F SITTING AREAS AS DRAWING NO.LD 3001,3002,3003,3004 AND J2962-GN201, TR101 TO 102</u>  <u>Design, supply and installation of shelter comprising 250 x 150 x 16 mm, 150 x 100 x 12.5 mm and 50 x 100 x 8mm galvanized mild steel rectangular hollow section fixed with base plate, bolts and grouting, metal post complete with 10 mm thick TPE pure plastic timber or approved equal external cladding, 20 mm thick clear laminated glass in pritted pattern with glass connector, painting and including all necessary fixing and accessories (Wall light as shown on drawings measured separately)</u>	1	Item		
	Shelter with curved profile on plan at 5/F sitting out area 1. (Approximately 90 m2 on plan) (The Tenderer shall provide the cost breakdown of this item allowed as follow :) <div style="text-align: right;">\$</div> <div><div>1. 250 x 150 x 16 mm thick galvanized mild steel RHS (    kg x \$    /kg)</div><div>2. 150 x 100 x 12.5 mm thick galvanized mild steel RHS (    kg x \$    /kg)</div><div>3. 50 x 100 x 8 mm thick galvanized mild steel RHS (    kg x \$    /kg)</div><div>4. 400 x 400 x 15 mm thick base plate (    kg x \$    /kg)</div><div>5. M25 bolt (    No. x \$    /No.)</div><div>6. 20 mm thick clear laminated glass with fritted pattern (    m2. x \$    /m2)</div><div>7. 10 mm thick TPE pure plastic timber on metal post (    m2. x \$    /m2)</div><div>8. Steelwork in loose and attached connection (\$    )</div><div>9. Others (please specify): <div style="border-bottom: 1px solid black; width: 100px; margin-top: 5px;"></div></div><div>Total carried to page 8.1/19/A    <div style="border-bottom: 1px solid black; width: 100px; margin-top: 5px;"></div></div></div>				
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
A	<u>SHELTER AT 5/F SITTING AREAS AS DRAWING NO.LD 3001,3002,3003,3004 AND J2962-GN201, TR101 TO 102 (Cont'd)</u>  <u>Design, supply and installation of shelter comprising 250 x 150 x 16 mm, 150 x 100 x 12.5 mm and 50 x 100 x 8mm galvanized mild steel rectangular hollow section fixed with base plate, bolts and grouting, metal post complete with 10 mm thick TPE pure plastic timber or approved equal external cladding, 20 mm thick clear laminated glass in pritted pattern with glass connector, painting and including all necessary fixing and accessories (Wall light as shown on drawings measured separately) (Cont'd)</u>	1	Item		
	Shelter with curved profile on plan at 5/F sitting out area 2. (Approximately 24 m2 on plan) (The Tenderer shall provide the cost breakdown of this item allowed as follow :) <div>\$</div> <div>1. 250 x 150 x 16 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div> <div>2. 150 x 100 x 12.5 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div> <div>3. 50 x 100 x 8 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div> <div>4. 400 x 400 x 15 mm thick base plate (___ kg x \$___/kg)</div> <div>5. M25 bolt (___ No. x \$___/No.)</div> <div>6. 20 mm thick clear laminated glass with fritted pattern (___ m2. x \$___/m2)</div> <div>7. 10 mm thick TPE pure plastic timber on metal post (___ m2. x \$___/m2)</div> <div>8. Steelwork in loose and attached connection (\$_____)</div> <div>9. Others (please specify): <div>_____</div></div> <div>Total carried to page 8.1/20/A <div>_____</div></div>				
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
A	<u>SHELTER AT 5/F SITTING AREAS AS DRAWING NO.LD 3001,3002,3003,3004 AND J2962-GN201, TR101 TO 102 (Cont'd)</u>  <u>Design, supply and installation of shelter comprising 250 x 150 x 16 mm, 150 x 100 x 12.5 mm and 50 x 100 x 8mm galvanized mild steel rectangular hollow section fixed with base plate, bolts and grouting, metal post complete with 10 mm thick TPE pure plastic timber or approved equal external cladding, 20 mm thick clear laminated glass in pritted pattern with glass connector, painting and including all necessary fixing and accessories (Wall light as shown on drawings measured separately) (Cont'd)</u>	1	Item		
	Shelter with curved profile on plan at 5/F sitting out area 3. (Approximately 51 m2 on plan) (The Tenderer shall provide the cost breakdown of this item allowed as follow :) <div>\$</div> <div>1. 250 x 150 x 16 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div> <div>2. 150 x 100 x 12.5 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div> <div>3. 50 x 100 x 8 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div> <div>4. 400 x 400 x 15 mm thick base plate (___ kg x \$___/kg)</div> <div>5. M25 bolt (___ No. x \$___/No.)</div> <div>6. 20 mm thick clear laminated glass with fritted pattern (___ m2. x \$___/m2)</div> <div>7. 10 mm thick TPE pure plastic timber on metal post (___ m2. x \$___/m2)</div> <div>8. Steelwork in loose and attached connection (\$_____)</div> <div>9. Others (please specify): <div>_____</div></div> <div>Total carried to page 8.1/21/A <div>_____</div></div>				
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
A	<u>SHELTER AT 5/F SITTING AREAS AS DRAWING NO.LD 3001,3002,3003,3004 AND J2962-GN201, TR101 TO 102 (Cont'd)</u>  <u>Design, supply and installation of shelter comprising 250 x 150 x 16 mm, 150 x 100 x 12.5 mm and 50 x 100 x 8mm galvanized mild steel rectangular hollow section fixed with base plate, bolts and grouting, metal post complete with 10 mm thick TPE pure plastic timber or approved equal external cladding, 20 mm thick clear laminated glass in pritted pattern with glass connector, painting and including all necessary fixing and accessories (Wall light as shown on drawings measured separately) (Cont'd)</u>	1	Item		
	Shelter with curved profile on plan at 5/F garden. (Approximately 15 m2 on plan) (The Tenderer shall provide the cost breakdown of this item allowed as follow :) <div style="text-align: right;">\$</div> <div><div>1. 250 x 150 x 16 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div><div>2. 150 x 100 x 12.5 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div><div>3. 50 x 100 x 8 mm thick galvanized mild steel RHS (___ kg x \$___/kg)</div><div>4. 400 x 400 x 15 mm thick base plate (___ kg x \$___/kg)</div><div>5. M25 bolt (___ No. x \$___/No.)</div><div>6. 20 mm thick clear laminated glass with fritted pattern (___ m2. x \$___/m2)</div><div>7. 10 mm thick TPE pure plastic timber on metal post (___ m2. x \$___/m2)</div><div>8. Steelwork in loose and attached connection (\$_____)</div><div>9. Others (please specify): <div>_____</div></div><div>Total carried to page 8.1/22/A<div>_____</div></div></div>				
Carried to Collection					

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
A	<u>REHAB GARDEN THERAPY WALL</u>  <u>Rehab garden therapy wall complete with waterproofing, cement and sand screeding, stainless steel strip divider and pattern mixed with natural granite, glass mosaic tile, wash granolithic and including all necessary fixing and accessories as drawing no. LD 3000.4</u>  300 mm Thick therapy wall.	3	Sup.		
B	<u>ENCLOSURE FOR WATER IRRIGATION POINT AS DRAWING LD 4000 AND 4000.1</u>  <u>Enclosure for water irrigation point complete with stainless steel key lock, wire mesh surrounded by 3 mm thick stainless steel plate and welded to 250 x 250 x 10 mm thick base plate and including all necessary finishes, fixings and accessories</u>  Enclosure for water irrigation point fixed on floor.	15	No.		
Carried to Collection					

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
	<u>SUNDRIES</u>				
	<u>Carburandum strip</u>				
A	10 x 20 mm Thick carburandum strip.	181	Run		
	<u>Prefabricated pot metal tray in PVC2 powder coated grey colour complete with 50 x 50 mm stainless steel frame and expansion bolt and including all necessary fixing and accessories as Drawing No. LD 3003.2</u>				
B	300 mm Wide pot metal tray.	52	Run		
	<u>Weep hole</u>				
C	15 mm Diameter (minimum) PVC weep hole in 150 mm long to planter wall.	39	No.		
	<u>Expansion Joint as Drawing No. 716-D21-002</u>				
D	20 mm Wide expansion joint comprising 2-part polysulfide with 25 mm diameter backer rob as described. ( <u>PROVISIONAL</u> )	400	Run		
Carried to Collection					

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
	<u>LETTERING (ALL PROVISIONAL)</u>				
	<u>Two coats of a cold applied car park line marker compatible paint tile or plastered surfaces as follows</u>				
A	Arrow 1500 mm long.	9	No.		
	<u>(END OF PROVISIONAL)</u>				
	<u>ON-GRADE SLABS TO EXTERNAL AREAS</u>				
B	150 mm Hardcore on compacted soil.	431	Sup.		
C	Polythene sheet on hardcore.	431	Sup.		
D	A393 Wire mesh reinforcement.	431	Sup.		
	<u>Reinforced concrete grade C45/20 in</u>				
E	150 mm Ground slab.	65	Cube		
F	<u>Extra for thickening ground slab average 150 mm wide x 150 mm deep including handpacking hardcore and additional building paper.</u>	144	Run		
G	<u>Extra for thickening ground slab average 200 mm wide x 200 mm deep including handpacking hardcore and additional building paper.</u>	56	Run		
	<u>Formwork to</u>				
H	Sides of ground slab up to 300 mm high.	141	Run		
J	Sides of ground slab up to 300 mm high circular on plan.	59	Run		
Carried to Collection					

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
	<u>ON-GRADE SLABS TO EXTERNAL AREAS</u> (Cont'd)				
	<u>Deformed high tensile steel bar reinforcement</u>				
A	Bars 16 mm diameter and below.	8320	kg		
	<u>VIE TANK ENCLOSURE AS DRAWING NO. J2962-GN001(V), J2962-AA201, J2962-AA202, 716-L28-101 AND 716-L28-202</u>				
	<u>Ground settlement check points</u>				
B	Supply and install ground monitoring check point as Drawing No. J2962-GN501, AA201 to 202.	3	No.		
C	Allow for maintaining and carrying out daily monitoring of ground settlement check points including taking regular measurements and readings, preparing and submitting periodical records as described and as directed by the Architect during the period as required on the drawings. <u>(A total of 3 No. points)</u>	1	Item		
	<u>Tilting check points</u>				
D	Supply and install tilting check points as Drawing No. J2962-GN501, AA201 to 202.	1	No.		
E	Allow for maintaining and carrying out daily monitoring of tilting check points including taking regular measurements and readings, preparing and submitting periodical records as described and as directed by the Architect during the period as required on the drawings. <u>(A total of 1 No. points)</u>	1	Item		
Carried to Collection					

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
	<u>VIE TANK ENCLOSURE AS DRAWING NO. J2962-GN001(V), J2962-AA201, J2962-AA202, 716-L28-101 AND 716-L28-202 (Cont'd)</u>				
	<u>Vibration check points</u>				
A	Supply and install vibration check points as Drawing No. J2962-GN501, AA201 to 202.	1	No.		
B	Allow for maintaining and carrying out daily monitoring of vibration check points including taking regular measurements and readings, preparing and submitting periodical records as described and as directed by the Architect during the period as required on the drawings. (A total of 1 No. points)	1	Item		
	<u>Footings</u>				
C	Concrete Grade 15P/20 in 75 mm blinding layer	4	Cube		
	<u>Reinforced concrete Grade 45D/20 in</u>				
D	Footings.	116	Cube		
	<u>Formwork to</u>				
E	Sides of footings.	102	Sup.		
	<u>Deformed high yield steel bar reinforcement</u>				
F	Bars over 16 mm diameter.	46250	kg		
	<u>On grade slabs</u>				
G	150 mm Hardcore on compacted soil.	25	Sup.		
H	Polythene sheet on hardcore.	25	Sup.		
Carried to Collection					

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
	<u>VIE TANK ENCLOSURE AS DRAWING NO. J2962-GN001(V), J2962-AA201, J2962-AA202, 716-L28-101 AND 716-L28-202 (Cont'd)</u>				
	<u>Reinforced concrete grade 45D/20 in</u>				
A	150 mm On-grade slab.	4	Cube		
B	<u>Extra for thickening ground slab average 150 mm wide x 150 mm deep including handpacking hardcore and additional building paper.</u>	6	Run		
C	<u>Extra for thickening ground slab average 200 mm wide x 200 mm deep including handpacking hardcore and additional building paper.</u>	6	Run		
	<u>Formwork to</u>				
D	Sides of ground slab up to 300 mm high.	20	Run		
	<u>Deformed high tensile steel bar reinforcement</u>				
E	Bars 16 mm diameter and below.	481	kg		
	<u>Reinforced concrete Grade 45D/20 in</u>				
F	300 mm Wall.	18	Cube		
	<u>Formwork to</u>				
G	Wall.	119	Sup.		
Carried to Collection					

BILL NO. 8  
EXTERNAL WORKS AND DRAINAGE  
8.1 - HARD LANDSCAPING WORKS -  
BUILDER'S WORKS

Item	Description	Quantity	Unit	Rate	HK \$
	<u>VIE TANK ENCLOSURE AS DRAWING NO. J2962-GN001(V), J2962-AA201, J2962-AA202, 716-L28-101 AND 716-L28-202 (Cont'd)</u>				
	<u>Deformed high yield steel bar reinforcement</u>				
A	Bars 16 mm diameter and below.	1879	kg		
	<u>Reinforced concrete Grade 45D/20 in</u>				
B	Beam.	1	Cube		
	<u>Formwork to</u>				
C	Sides and soffit of beam.	10	Sup.		
	<u>Deformed high yield steel bar reinforcement</u>				
D	Bars 16 mm diameter and below.	73	kg		
E	Bars over 16 mm diameter.	292	kg		
	<u>Reinforced concrete Grade C35/20 in</u>				
F	Plinth.	2	Cube		
	<u>Formwork to</u>				
G	Sides of plinth up to 300 mm high.	18	Run		
	<u>Deformed high yield steel bar reinforcement</u>				
H	Bars 16 mm diameter and below.	165	kg		
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
A	<u>VIE TANK ENCLOSURE AS DRAWING NO. J2962-GN001(V), J2962-AA201, J2962-AA202, 716-L28-101 AND 716-L28-202 (Cont'd)</u>  <u>Design, supply and installation of galvanized mild steel architectural feature comprising 180 x 180 x 16 mm vertical S.H.S fixed to concrete floors, welded to 30 x 50 x 5 mm horizontal R.H.S. including painting, ironmongeries, all necessary fixing and accessories as Drawing No. 716-L28-101 and 716-L28-202</u>	1	Item		
	Architectural features. (Approximately 130 m2 on elevation)  (The Tenderer shall provide the cost breakdown of this item allowed as follows :)  <div style="text-align: right;">\$</div> <div>1 Galvanized mild steel SHS in 180 x 180 x 16 mm (     kg x \$     /kg)</div> <div>2 Galvanized mild steel RHS in 30 x 50 x 5 (     kg x \$     kg)</div> <div>3 Extra for forming 1350 x 3000 mm high access door (     no. x \$     no.)</div> <div>4 Steelwork in loose and attached connection (\$     )</div> <div>5 Others (please specify):  Total carried to     _____ page 8.1/30/A     _____</div>				
Carried to Collection					

Item	Description	Quantity	Unit	Rate	HK \$
	<u>VIE TANK ENCLOSURE AS DRAWING NO. J2962-GN001(V), J2962-AA201, J2962-AA202, 716-L28-101 AND 716-L28-202 (Cont'd)</u>				
	<u>Cement, sand and aggregate ( 1:3:2 ) waterproof screeds</u>				
A	50 mm Screed on slab to falls/ crossfalls to receive non-slip epoxy resin waterproof paint.	27	Sup.		
B	50 mm Plaster on wall to receive non-slip epoxy resin waterproof paint.	119	Sup.		
	<u>One undercoat and two finishing coats of spray applied approved non-slip epoxy resin waterproof paint, applied all in accordance with the manufacturer's recommendations on</u>				
C	Screeded floor (F6).	27	Sup.		
D	Plastered wall (F6).	119	Sup.		
	<u>Expansion joint</u>				
E	50 mm Wide expansion joint between new reinforced concrete slab and reinforced concrete wall comprising proprietary stainless steel cover plate, water barrier, approved corner filler, 10 mm polysulphide pointing, wire mesh and all necessary fixing accessories as described and as drawing in 150 mm slab.	20	Run		
Carried to Collection					